

I. Listing of Claims:

1. (Currently amended) A chemical composition that inhibits corrosion in metal substrates, said chemical composition comprising:

a first complexing agent comprising an amine group; and

a second complexing agent comprising a carboxylic acid;

wherein the first complexing agent is an alkylamine.
2. (Canceled)
3. (Currently amended) The composition of Claim [[2]] 1, wherein ~~said primary amine~~ the alkylamine is 3-methoxypropylamine.
4. (Canceled)
5. (Currently amended) The composition of Claim [[2]] 1, wherein ~~said tertiary amine~~ the alkylamine is ~~selected from the group consisting essentially of~~ 4-ethylmorpholine and triethanolamine.
6. (Currently amended) The composition of Claim [[2]] 1, wherein ~~said mixed amine~~ the alkylamine is selected from the group consisting ~~essentially~~ of dimethylaminopropylamine and aminopropylmorpholine.
7. (Original) The composition of Claim 1, wherein said second complexing agent is benzoic acid.
8. (Original) The composition of Claim 1, further comprising a pH adjusting agent.
9. (Original) The composition of Claim 8, wherein said pH adjusting agent is ammonium hydroxide.

10. (Original) The composition of Claim 1, wherein said first complexing agent and said second complexing agent react to form a stable aminocarboxylate salt.

11-16. (Canceled)

17. (Currently amended) A corrosion inhibiting chemical composition comprising:

water;

an amine complexing agent;

a carboxylic acid complexing agent; and

a pH adjusting agent;

wherein said amine complexing agent is selected from the group consisting of 3-methoxypropylamine, 4-ethylmorpholine, dimethylaminopropylamine and aminopropylmorpholine.

18. (Canceled)

19. (Original) The corrosion inhibiting chemical composition of Claim 17, wherein said carboxylic acid complexing agent is benzoic acid.

20. (Original) The corrosion inhibiting chemical composition of Claim 17, wherein said pH adjusting agent is ammonium hydroxide.

21. (Original) The chemical composition of Claim 17, wherein said chemical composition comprises approximately 50-80% by total formula weight water, approximately 2-20% by total formula weight amine complexing agent, approximately 5-20% by total formula weight carboxylic acid complexing agent, and approximately 5-7% by total formula weight pH adjusting agent.

22. (Currently amended) A process of producing a corrosion inhibitor comprising the steps of:

mixing together water and an amine complexing agent to create a first substance, wherein the amine complexing agent is an alkylamine;

mixing together said first substance with a carboxylic acid complexing agent to create a second substance; and

mixing together said second substance with a pH adjusting agent to create said corrosion inhibitor.

23. (Currently amended) The process of Claim 22, wherein said amine complexing agent is selected from the group consisting ~~essentially~~ of 3-methoxypropylamine, ~~morpholine~~, 4-ethylmorpholine, ~~triethanolamine~~, dimethylaminopropylamine and aminopropylmorpholine.

24. (Original) The process of Claim 22, wherein said carboxylic acid complexing agent is benzoic acid.

25. (Original) The process of Claim 22, wherein said pH adjusting agent is ammonium hydroxide.

26. (Original) The process of Claim 22, wherein said chemical composition comprises approximately 50-80% by total formula weight water, approximately 2-20% by total formula weight amine complexing agent, approximately 5-20% by total formula weight carboxylic acid complexing agent, and approximately 5-7% by total formula weight pH adjusting agent.

27. (Currently amended) A process of making a non-toxic corrosion inhibitor comprising the steps of providing approximately 50-80% by total formula weight of water and adding approximately 2-20% by total formula weight of an amine complexing agent, approximately 5-20% by total formula weight of a carboxylic acid complexing agent, and approximately 5-7% by total formula weight of a pH adjusting agent, wherein said amine complexing agent is selected

from the group consisting of 3-methoxypropylamine, 4-ethylmorpholine, dimethylaminopropylamine and aminopropylmorpholine.

28. (Original) The process of Claim 27, further comprising the step of mixing said approximately 50-80% by total formula weight of water, 2-20% by total formula weight of said amine complexing agent, 5-20% by total formula weight of said carboxylic acid complexing agent, and 5-7% by total formula weight of said pH adjusting agent to create an aqueous mixture.

29. (Canceled)

30. (Original) The process of Claim 27, wherein said carboxylic acid complexing agent is benzoic acid.

31. (Original) The process of Claim 27, further comprising the steps of:

transferring said aqueous mixture to a holding tank; and allowing said mixture to cool to room temperature.

32. (Original) A paint mixture, including the chemical composition in Claim 1, that, when applied to a metal substrate, inhibits corrosion of the metal.

33. (Original) A paint mixture, including the chemical composition in Claim 1, that, when applied to a metal substrate, inhibits flash rusting of the metal.

34. (Original) The paint mixture of Claim 32, wherein said paint mixture contains a high gloss resin and wherein the chemical composition does not diminish the gloss.

35. (Original) The paint mixture of Claim 32, wherein said paint mixture contains a semi gloss resin and wherein the chemical composition does not diminish the gloss.

36. (Currently amended) A process of producing a corrosion inhibitor comprising the steps of:

mixing together water and an amine complexing agent comprising an alkylamine to create a first substance;

mixing together said first substance with a carboxylic acid complexing agent to create said corrosion inhibitor.

37. (Currently amended) A process of making a non-toxic corrosion inhibitor comprising the steps of providing approximately 50-80% by total formula weight of water and adding approximately 2-20% by total formula weight of an amine complexing agent comprising an alkylamine and approximately 5-20% by total formula weight of a carboxylic acid complexing agent.

38. (New) The process of Claim 36, wherein the alkylamine is selected from the group consisting of 3-methoxypropylamine, 4-ethylmorpholine, dimethylaminopropylamine and aminopropylmorpholine.

39. (New) The process of Claim 37, wherein the alkylamine is selected from the group consisting of 3-methoxypropylamine, 4-ethylmorpholine, dimethylaminopropylamine and aminopropylmorpholine.